

Listing of Claims:

Claims 1-17 (canceled)

18. (Currently Amended) An illumination arrangement, comprising:

an optical waveguide;

at least one light source for emitting light into the optical waveguide, the at least one light source being coupled to the optical waveguide; and

a housing formed as a shell from a plurality of interconnected shell elements which define a cavity for enclosing therein (i) the optical waveguide at least in regions in which the light is to be deflected and (ii) at least one light source, said shell having upper, lower and side walls;

wherein at least one of said shell walls has a reflective internal surface in regions corresponding to regions of the optical waveguide in which for deflecting light from said at least one light source is to be deflected, and one of said shell walls defines a window from which light emitted by the optical waveguide escapes the housing.

19. (Previously Presented) The arrangement according to claim 18, wherein said housing defines a bridge over a second cavity.

20. (Previously Presented) The arrangement according to claim 18, wherein said housing is mounted on a printed circuit board, and further comprising means for facilitating electrical communication between an external power source and said at least one light source via said printed circuit board.

21. (Previously Presented) The arrangement according to claim 19, wherein said housing is mounted on a printed circuit board and the second cavity is between said housing and said board, and further comprising means for facilitating electrical communication between an external power source and said at least one light source via said printed circuit board.

22. (Previously Presented) The arrangement according to claim 21, further comprising components mounted on said printed circuit board within said second cavity.

23. (Previously Presented) The arrangement according to claim 18, wherein a surface of said side walls facing said cavity is reflective.

24. (Previously Presented) The arrangement according to claim 18, wherein said housing comprises a plurality of mating parts.

25. (Previously presented) The arrangement according to claim 24, wherein said plurality of mating parts snap fit together.

26. (Previously Presented) An illumination arrangement, comprising:

- an optical waveguide;
- at least one light source for emitting light into the optical waveguide, the at least one light source coupled to the optical waveguide; and
- a housing formed as a shell from a plurality of interconnected shell elements which define a cavity for enclosing therein (i) the optical waveguide at least in regions in which the light is to be deflected and (ii) at least one light

source, said shell having upper, lower and side walls, wherein the housing comprises a plurality of mating parts;

wherein at least one of said shell walls has a reflective internal surface for deflecting light from said at least one light source, and one of said shell walls defines a window from which light emitted by the optical waveguide escapes the housing, and

wherein said plurality of mating parts cooperate to form an opaque overhang where said parts join.

27. (Previously Presented) An illumination arrangement, comprising:

an optical waveguide;

at least one light source for emitting light into the optical waveguide, the at least one light source coupled to the optical waveguide; and

a housing formed as a shell from a plurality of interconnected shell elements which define a cavity for enclosing therein (i) the optical waveguide at least in regions in which the light is to be deflected and (ii) at least one light source, said shell having upper, lower and side walls, wherein the housing comprises a plurality of mating parts;

wherein at least one of said shell walls has a reflective internal surface for deflecting light from said at least one light source, and one of said shell walls defines a window from which light emitted by the optical waveguide escapes the housing, and

wherein said parts are approximately inversely symmetrical.

28. (Previously Presented) The arrangement according to claim 24, wherein said parts are injection molded.

29. (Previously Presented) The arrangement according to claim 18, wherein said lower wall is convex.

30. (Previously Presented) The arrangement according to claim 18, wherein said upper wall is angled.

31. (Previously Presented) The arrangement according to claim 18, wherein said housing further comprises means for accommodating a plurality of light emitting sources such that emission from said sources are caused to emit in different directions.

32. (Previously Presented) The arrangement according to claim 31, wherein said waveguide emits a combination of emissions from said plurality of light emitting sources.

33. (Previously Presented) The arrangement according to claim 18, wherein said at least one light source comprises a light emitting diode.

34. (Previously Presented) The arrangement according to claim 18, wherein said at least one light source comprises a laser diode.

35. (Currently Amended) A method for producing a light emitting component, comprising the steps of:

forming a housing as a shell from a plurality of shell elements and defining a cavity, said shell having bottom, side and top walls, at least one of said shell walls having a reflective internal surface, and said top wall defining a window;

mounting an optical waveguide within said cavity;

mounting at least one light emitting source within said cavity such that said at least one light emitting source is coupled to said optical waveguide such that light emitted from said source is reflected by said internal surfaces in regions corresponding to regions of the optical waveguide in which light from said at least one light emitting source and transmitted by said optical waveguide out said window.

36. (Previously Presented) The method according to claim 35, further comprising the step of:

mounting said housing on a printed circuit board such that said lower wall and said printed circuit board cooperate to define a second cavity; and

mounting components within said second cavity on said board.

37. (Previously Presented) The method according to claim 35, wherein said lower wall is convex and said plurality of shell elements comprise a plurality of snap fitted components which mate to form said housing.

38. (Currently Amended) An illumination arrangement, comprising:
an optical waveguide;

at least one light source for emitting light into the optical waveguide, the at least one light source being coupled to the optical waveguide;

a housing formed as a shell from a plurality of interconnected shell elements which define a cavity for enclosing therein (i) the optical waveguide at least in regions in which the light is to be deflected and (ii) at least one light source, said shell having upper, lower and side walls, said housing being mounted on a printed circuit board and wherein a second cavity is between said housing and said board; and

means for facilitating electrical communication between an external power source and said at least one light source via said printed circuit board;

wherein at least one of said shell walls has a reflective internal surface in regions corresponding to regions of the optical waveguide in which for deflecting light from said at least one light source is to be deflected, and one of said shell walls defines a window from which light emitted by the optical waveguide escapes the housing, and wherein said LED at least one light source radiates in a direction that is substantially perpendicular with respect to a main surface of the printed circuit board.